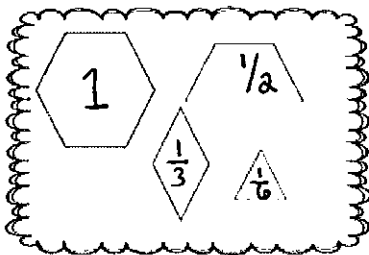


# Pattern Block Pictures



Label each pattern block as a fraction of a whole (hexagon=1). Then, use the pattern blocks to create a picture.

1) How many of each pattern block did you use in your picture?

Hexagon	Rhombus	Trapezoid	Triangle

2) Multiply the number of each block by its fractional value. Show your work, and circle the total for each type of block.

Hexagon	Rhombus	Trapezoid	Triangle
$\_\_ \times 1 = \_\_$	$\_\_ \times \frac{1}{3} = \frac{\_\_}{3}$	$\_\_ \times \frac{1}{2} = \frac{\_\_}{2}$	$\_\_ \times \frac{1}{6} = \frac{\_\_}{6}$
Total: $\_\_$	Total: $\_\_$	Total: $\_\_$	Total: $\_\_$

3) Add each of your products above to find the sum of all of the pattern blocks you used to make your picture.

## Pattern Block Pictures Part 2

1) Order the fractions from step 2. In order from least to greatest.

2) For each of the different pattern block totals you found in step 2, write 3 equivalent fractions.

Hexagon	Rhombus	Trapezoid	Triangle

3) Find the difference between your most used pattern block and your least used pattern block.

4) On the back of your rubric, write a step-by-step explanation about how you calculated your picture's total value. Be sure to write in complete sentences and be detailed and specific.

# Pattern Block Project

Category	Point Scale				Student's Score
	5	4	3	1 - 2	
Picture	Your picture is neat & colorful Your picture includes all 4 pattern blocks	Your picture is neat & colorful Your picture contains 3 of the pattern blocks	Your picture lacks color or neatness Your picture contains 2 of the pattern blocks	Your picture is sloppily done and lacks color Your picture only contains 1 pattern block	
Project Worksheet	-Completed Worksheet -All work is shown	-Completed worksheet -All work is shown	-Incomplete worksheet -Little work is shown	-Very incomplete worksheet -No work is shown	
Writing/Explanation	-Complete sentences -Detailed Explanation -Correct process is described	-Complete sentences -Correct process is described but lacks detail	-Incomplete sentences -Explanation is only partially correct	-Incomplete sentences -Explanation is incorrect	
Math (All Points are doubled for this portion)	-All calculations are correct (10 points)	-Most calculations are correct (8 Points)	-About half of your calculations are correct (6 Points)	-Little or none of your calculations are correct (4 Points)	
					<div>25</div> <div>Total Score</div>

Name: \_\_\_\_\_ Period: \_\_\_\_\_

Project Title: \_\_\_\_\_

